

PROJECT: Midnite Mine Remediation

REPORT NO: 2019-020

OWNER: Newmont/Dawn Mining

OPERATOR: Newmont/Dawn Mining

Summary of Work Activities or Events for this reporting period:

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period August 9 – August 15, 2019. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: <https://amcollab.mwhtools.com/sites/midnitemine>

SITE HEALTH, SAFETY, AND SECURITY

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period August 9 – August 15, 2019

FIRST AID INJURY	0	PROPERTY DAMAGE	0
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		

Comments: No incidents or injuries occurred during the reporting period.

COMMUNITY LIAISON

No issues or concerns were reported or received by Newmont from the Spokane Tribe of Indians Community Liaison Officer. Mobilization notifications were provided to the Tribe during the week.

PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS

Weekly Progress Meeting

The Weekly Construction Progress meeting was held at 1000 hours on Wednesday, August 14, 2019 at the on-site conference room and via conference call. Representatives from the following stakeholders attended the meeting in person or via telephone:

- Environmental Protection Agency (EPA)
- U.S. Army Corps of Engineers (ACOE)
- Jacobs
- Dawn Mining Company (DMC)/Newmont Goldcorp
- Stantec
- Ajax

Meeting Action Items

- Schedule for South Pond Pump Station Operations & Maintenance Plan

EPA Plan/Document Approvals

- None

Regulatory Site Visit(s)

- Representatives of the Spokane Tribal Council and Spokane TERO were on site on August 13.
- Mark Fillius, ACOE representing EPA, was on Site August 12 through August 15.

REMEDIAL WORK ACTIVITIES

Construction

During the week of August 9 – August 15, 2019, the following activities were conducted:

- There were no haulage activities on Monday August 12 due to unsafe haul road conditions resulting from precipitation received over the weekend.
- Continued excavating, hauling and placing low activity/low reactivity material to Pit 4 from west and north sides of the South Waste Rock Pile (SWRP). Material from SWRP was placed on the north, east, and west sides of Pit 4 to create the 20' rind buffer area, at the south end of the Pit 4 backfill to form the 20' radon buffer on the outer waste surface, and in the unclassified waste zone in the interior of the pit.
- Completed excavating and hauling high activity/high reactivity material from Protore Stockpiles 1 and 2. High activity/high reactivity material was placed in the unclassified waste zone in the interior of the Pit 4 backfill.
- The above materials were excavated with either excavator or loader equipment and transported and plug dumped with haul trucks. The plug dumps were leveled with a dozer into lifts not exceeding 10' thick. Table 1 presents the 2019 Pit 4 mass haul material volume.

Table 1 – 2019 Pit 4 mass haul volume estimates

Reporting Period	Truck Loads	Estimated Volume ¹ yd ³
August 9 – August 15, 2019	2,770	77,560
2019 Cumulative	56,094	1,570,632

1 - Truck load assumed to be 28 yd³

- Backfilled around and plumbed the Pit 4 vertical pump risers.
- Extended placement of Geocomposite Clay Liner (GCL) and Drain Gravel in Finger 1 of the Infiltration Collectors on the west side of Pit 4.
- Installed Geocomposite Drainage Layer (GDL) over the South Pond Seep Infiltration Sump a minimum of 1.5 ft. past the edge of gravel in accordance with RFI 2019-013. The GDL was fastened together with zip ties at minimum of every 5 feet along the length of seams.
- Performed road maintenance on the East Access Road.
- Began removing trees along the planned alignment for a new haul road along the north side of Protore Stockpile 4 and west of Pit 3 in the vicinity of the former light vehicle road.
- Placed Site debris in the demolition debris zone of Pit 4.
- Pit 4 tension crack was measured on August 13. The horizontal distance between movement pins remains at 53.75 inches, indicating no measurable movement.

Stormwater Pollution Prevention Plan (SWPPP)

- Post storm event SWPPP inspection was performed. The inspection report has been posted to the Project SharePoint site.
- Installed silt fence and straw wattles in the southern portion of the Construction Support Zone (CSZ).

Spill Prevention, Control, and Countermeasure Activities (SPCC)

- None

Equipment Mobilized/Demobilized and Material Delivered

The following equipment was mobilized to the Site during this reporting period.

- None

The following equipment was demobilized from the Site during this reporting period.

- None

All project owned non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

Materials:

The following material was delivered to the Site during this reporting period.

- 16", 6", and 4" HDPE pipe for the South Pond was received on August 12
- Road surface coarse was delivered from the Copenhaver pit in Reardan, WA for repairs to the East Access Road.

Dust Control and Monitoring

Six dust monitors were operated during construction activities at the locations and for the time intervals listed in Table 2. The Total Suspended Particulate (TSP) action level of 260 micrograms/cubic meter was not exceeded during the reporting period.

There were no excavating and hauling activities on Monday (8/12/2019) due to the amount of rain received on Site (0.33 inches) the previous day. The truck operators were sent home for the day and the samplers were turned off.

Sampler ES-6 was down from approximately 1:00 p.m. through the end of night shift on 8/13/2019 due to an interruption to the power supply during relocation activities.

Table 2 - TSP Dust Monitoring Locations during reporting period August 9 – August 15, 2019

Monitor ID	Location Description	Start Date	Status						
			Fi	Sat	Sun	Mon	Tue	Wed	Thurs
ES-1 (stationary)	Midnite Mine Top of Pit 4	04/01/19	D/N			E	D/N	D/N	D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	04/01/19	D/N			E	D/N	D/N	D/N
ES-3 (stationary)	Midnite Mine West Boundary	04/01/19	D/N			E	D/N	D/N	D/N
ES-4 (roving)	Top of Stockpile 3	04/30/19	D/N			E	D/N	D/N	D/N
ES-5 (roving)	Spare								
ES-6 (roving)	East Side of Pit 4	08/13/19	D/N			E	D/*	D/N	D/N
ES-7 (roving)	Southwest Side of Area 5	07/12/19	D/N			E	D/N	D/N	D/N
ES-8 (stationary)	Spare								

D=Day Shift (6:00 am to 4:30 pm)
 N=Night Shift (4:00 pm to 2:30 am)
 E=Environmental conditions (Fog, smoke, pollen, heavy rain, etc.) – No Operation
 * Equipment malfunction (Battery/Power Supply or Other)

PROJECT DOCUMENTATION

Project Submittals, Engineering Change Notices (ECNs), Requests for Information (RFIs), Non-Compliance Notifications (NCNs), CQA-CQC Field Acceptance Forms and Other Items received, changed or noted during this time-period are shown in the table below:

Table 3 – CQA Documentation

Project Submittals			
Submittal No.	Title	Submittal Date	CQA Acceptance Date
02280-02.00	Geocomposite Drainage Layer	7/26/2019	8/9/2019
02272-09.00	South Pond Geomembrane Installation Contractor	7/26/2019	8/12/2019
02275-05.00	South Pond Geonet – Additional Rolls (2) Production Certifications	8/5/2019	8/12/2019
Project ECNs			
ECN No.	Title	EPA Submittal Date	EPA Response Date
None			
Project RFIs			
RFI No.	Title	CQC Submittal Date	CQA Response Date
2019-013	South Pond Details	7/29/2019	8/12/2019
2019-014	Unidentified Metal Casing West of South Pond	8/14/2019	TBD
Project NCNs			
NCN No.	Title	CQA Issue Date	CQC Response Date
None to Date			
CQC-CQA Field Acceptance Forms			
CQC-CQA Acceptance No.	Title	CQC-CQA Issue Date	
None			
Item	Title	Comments	
None			

Copies of the updated CQA Logs are located on the project SharePoint site under the 2019 CQA Folder.

SITE INSPECTIONS

Details regarding the four-phase CQA observation/inspection process for each definable work feature are summarized below and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

Preparatory Inspections / Meetings

- None during this time-period.

Initial Phase Inspections

- None during this time-period.

Follow-up Phase and Ongoing Inspections

Daily observations/inspections were performed by CQA during this time-period pursuant to project specifications, design drawings and project documentation for applicable activities shown in the Construction Section of the Remedial Work Activities portion of this report.

Completion Inspections

- None

THREE WEEK LOOKAHEAD SCHEDULE

Three Week Lookahead Schedule

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:

David Lee
Project Construction Director

Attachments

- Attachment A – Midnite Mine 3 Week Lookahead Schedule

Photos of pertinent items are provided below.



Figure 1 – GCL and drain gravel installed in the Finger 1 IC looking east.



Figure 2 – 349 excavator placing drain gravel while leveling near the south UDS riser.



Figure 3 – View of Pit 4 from the southwest



Figure 4 – HDPE pipe delivery for the South Pond. Note that dust monitors were not operated on August 12 due to the fog shown in the photo.

ATTACHMENT A

MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE

